RMON MIB WG (rmonmib)

Mail:

rmonmib@cisco.com

Admin:

majordomo@cisco.com
msg body (e.g.):“subscribe rmonmib”
or
rmonmib-request@cisco.com

Archive:

ftp://ftp.cisco.com/ftp/rmonmib/rmonmib

Agenda:

1) agenda bashing

2) solution proposal evaluation criteria

3) 7 layer protocol monitoring and filtering

if time permits:

4) data reduction reporting mechanisms

5) solution proposals not related to 7-layer statistics or filtering

Solution Proposal Evaluation Criteria

1) Usefulness of feature for intended application(s)

2) Accuracy of information

3) Ease of information retrieval

4) Ease of configuration

5) Implementation costs for agent

6) Implementation costs for NMS

7) Multiple manager robustness

8) Applicability to high-speed networks

7 Layer Protocol Monitoring and Filtering

Related documents in /ftp/rmonmib/danvers:

A) 7 layer stats, host, matrix & enhancements
ecam2-mib.txt
dickw-proto-id-mib.txt
anil-ecam2-changes.txt

B) 7-layer host, matrix, history, hostTopN, matrixTopN
drilldown1-mib.txt

C) network layer statistics, address mapping, host, and matrix
stevew-rmon2-draft-mib.txt

D) 7 layer statistics and filtering
danh-filter-mib.txt

7 Layer Protocol Monitoring and Filtering (cont.)

Protocol Directory Design Issues

Global protocol identifier (vector vs.”ifstack”ish)

Protocols without decodable addresses (re: host/matrix)

Protocols with dynamic addressing

Relationship to variable-offset filtering

Specification of user-defined protocols

Protocol ID used in INDEX clauses

7 Layer Protocol Monitoring and Filtering (cont.)

Counter Related Design Issues

Count terminals vs. non-terminals

Count different encapsulations separately

Accuracy of counting methods (e.g., TFTP, IP fragments problems)

Relationship to data reduction algorithms

Continuous counters vs. history-only